

## Instructor Jean Bonhotal

Jean has worked at the Cornell Waste Management Institute in solid waste education for over 20 years. For the past ten years, she has worked on methods to compost a variety of feedstocks - from food to manure to animal carcasses. Compost quality and consistency in the market place has become a high priority.

Previous experience includes working with different agencies including US Forest and National Park Service, US EPA, NYS DEC and the landscape and greenhouse industry.

She received an M.S. degree in Education and Communication from SUNY Binghamton in 1991, a B.S. in Biology from Utah State University in 1984 and an A.A.S. in Natural Resources from SUNY Morrisville.

The MACo Building is near the Helena airport. Some nearby hotels:

**Residence Inn Marriott**  
2500 East Custer Avenue  
Helena, MT 59602  
406-443-8010

**Comfort Suites**  
3180 N. Washington Street  
Helena, MT 59602  
406-495-0505

**Wingate by Wyndham**  
2007 North Oakes  
Helena, MT 59601  
406-449-3000

**Quality Inn**  
2300 North Oakes  
Helena, MT 59601  
406-442-3064

Montana DEQ  
PO Box 200901  
Helena, MT 59620



## Solid Waste Training

### **Compost Operator Course**

June 19 - 20, 2012, 8am - 5 pm  
12 SWANA CEUs allocated



*Composting is a challenge in Montana.  
This is your opportunity to learn from an expert!*

Location - MACo Building  
2715 Skyway Drive, Helena, MT

**Register by June 15, 2012**

Optional "Backyard Composting"  
session on June 21, 2012,  
9am - noon



Phone: 406-444-9879  
Web site: [www.deq.mt.gov/SolidWaste](http://www.deq.mt.gov/SolidWaste)

## AGENDA

### Tuesday June 19, 2012, 8am - 5pm

#### Compost Basics

- Introduction, course overview
- Compost need and value – why compost?
- Environment, SW reduction, agriculture

#### Operations

- Basics – water, safety, size, recipe
- Collection, systems and methods
- Site selection – neighbors
- Pad surfaces – impact on quality
- Equipment and impact on quality
- Testing and consistency of product over time
- Worker Health and safety – Public health and safety – working with neighbors
- Troubleshooting – water, resistant herbicides, odors
- Marketing the Finished Product

### Lunches are **ON YOUR OWN**



*Lewis & Clark Landfill Composting*

### Wednesday June 20, 2012, 8am - 5pm

- Special “feed stocks” – biosolids, animal mortality composting, food residuals
- Montana Regulations
- Overview of Montana Composting
- Economics of Composting
- Developing a composting plan
- Value of on-site composting

#### **A site visit to the Lewis & Clark County Landfill’s Compost Operation will include instructions on:**

- Moisture testing
- Temperatures
- Aeration Systems
- Safety
- Run-on/run-off
- Collecting samples for testing

**Thursday, June 21, 2012, 9am – noon**, is an optional “Backyard Composting” Session. No registration or fee is required.

On Thursday the focus will shift to home composting. Sometimes hauling organics doesn’t make sense because of distance and/or transportation costs. The organic materials generated at home can still be diverted from the landfill, though, by backyard composting.

The public will be invited to attend this portion of the compost training. This session will be devoted to small-scale operations and safety.

A few different types of backyard bins will be built using readily available building materials such as wooden pallets, chicken wire, t-posts, etc. Samples of commercial small-scale bins will be on site.

## REGISTRATION

Two Registration Types:

1. There is no registration fee for Montana’s licensed Solid Waste Facilities.
2. For others - registration for the two-day “Compost Operator Course” is \$75.00.

### **Online Registration Form**

<https://app.mt.gov/confreg2/index.html>

Click on “Compost Operator Course” and follow the instructions.

### **Mail-in Registration Form**

Name \_\_\_\_\_

Address \_\_\_\_\_

Phone number \_\_\_\_\_

E-mail \_\_\_\_\_

Organization \_\_\_\_\_

If licensed, License # \_\_\_\_\_

\_\_\_\_\_ If not licensed \$75 payment enclosed

Mail or fax form to DEQ, contact information follows:

#### **Montana DEQ**

1520 East Sixth Ave.  
PO Box 200901  
Helena, MT 59620

Fax: 406-444-1374

For additional Information phone 406-444-9879